

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	440	313/498-512.ccls. and thickness and refraction	US-PGPUB; USPAT	OR	ON	2007/06/08 14:54
S1	22	((("20030141507") or ("5073041") or ("5359345") or ("5363009") or ("5426657") or ("5631190") or ("5633527") or ("5724062") or ("5793062") or ("5799924") or ("5955749") or ("6071795") or ("6091085") or ("6287882") or ("6410942") or ("6420242") or ("6469324") or ("6559075") or ("6657236") or ("5834331") or ("6426515") or ("20030222263") or ("6091085") or ("6287882") or ("6410942") or ("6420242") or ("6469324") or ("6559075") or ("6657236"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/22 18:02
S2	1	("20040207323").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:10
S3	60	((("5834331") or ("6426515") or ("20030222263") or ("6091085") or ("6831302") or ("6504180") or ("6690268") or ("6642618") or ("6784027") or ("6847057") or ("6072628") or ("6122103") or ("6288840") or ("6574383") or ("6504180") or ("6690268") or ("5162878") or ("6828597") or ("5814839") or ("5491350") or ("6303405") or ("20020110172") or ("6222207") or ("6593160") or ("6573537") or ("6465808") or ("20030143772") or ("6762069") or ("6649437") or ("6740906") or ("6791119") or ("6794684") or ("6825502") or ("20040182914") or ("20050019971") or ("5126231") or ("6778746") or ("6742907") or ("20040110856") or ("20040144985") or ("20040207310") or ("20040207319") or ("20040206962") or ("20040206971") or ("20040207320") or ("20040259279") or ("20040259285") or ("20050051785") or ("20050051787") or ("20050087757") or ("20050040424") or ("20050059178") or ("20050059179") or ("20050087754") or ("20050127375") or ("3293513") or ("3922706") or ("4864370") or ("5126231") or ("6071795") or ("6778746") or ("6849558") or ("6307218") or ("5600483"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/22 18:08
S4	77	S1 or S3	US-PGPUB; USPAT	OR	ON	2005/08/22 18:09
S6	9	((("20050087754") or ("20040207319") or ("20050127375") or ("20050040424") or ("6831302") or ("20040206971") or ("20040207310") or ("20040207320") or ("20040206962"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/23 10:34
S7	7	S6 and (features same size).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:37
S8	2	S6 and (packaged adj die).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:40
S9	1	S6 and (material with gas).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:41
S10	1	S6 and (gas).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:42
S11	1	S6 and (gas with air).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:44
S12	0	S6 and (refraction with one).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:45

## EAST Search History

S13	2	S6 and (refraction).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:46
S14	1	S6 and (free with encapsulant).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:47
S15	0	S6 and (cover same refraction).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:47
S16	1	S6 and (cover).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:50
S17	2	S6 and (white adj light).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:52
S18	2	S6 and (sheet same first same second).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:53
S19	1	S6 and (sheet same first same second same white).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:54
S20	5	S6 and (support same stack same material).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:56
S21	0	S6 and (reflective same "50" same impinges adj support).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:56
S22	0	S6 and (reflective same "50" same impinges).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:56
S23	7	S6 and (reflective same impinges).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:57
S24	2	S6 and (reflective same heat adj sink).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:58
S25	2	S6 and (heat adj sink same vertical same gradient).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 10:59
S26	0	S6 and (heat adj sink same support).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 11:00
S27	6	S6 and (current same spreading).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 11:01
S28	5	S6 and (electrical same inject same current).clm.	US-PGPUB; USPAT	OR	ON	2005/08/23 14:05
S29	2	"6504180".pn. or "6690268".pn.	US-PGPUB; USPAT	OR	ON	2005/08/23 18:37
S30	1	"20040207323".pn.	US-PGPUB; USPAT	OR	ON	2005/08/24 13:10
S31	1	"5779924".pn.	US-PGPUB; USPAT	OR	ON	2005/08/23 19:15
S32	22	((("20030141507") or ("5073041") or ("5359345") or ("5363009") or ("5426657") or ("5631190") or ("5633527") or ("5724062") or ("5793062") or ("5799924") or ("5955749") or ("6071795") or ("6091085") or ("6287882") or ("6410942") or ("6420242") or ("6469324") or ("6559075") or ("6657236") or ("5834331") or ("6426515") or ("20030222263") or ("6091085") or ("6287882") or ("6410942") or ("6420242") or ("6469324") or ("6559075") or ("6657236"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/23 19:15

## EAST Search History

S33	60	((("5834331") or ("6426515") or ("20030222263") or ("6091085") or ("6831302") or ("6504180") or ("6690268") or ("6642618") or ("6784027") or ("6847057") or ("6072628") or ("6122103") or ("6288840") or ("6574383") or ("6504180") or ("6690268") or ("5162878") or ("6828597") or ("5814839") or ("5491350") or ("6303405") or ("20020110172") or ("6222207") or ("6593160") or ("6573537") or ("6465808") or ("20030143772") or ("6762069") or ("6649437") or ("6740906") or ("6791119") or ("6794684") or ("6825502") or ("20040182914") or ("20050019971") or ("5126231") or ("6778746") or ("6742907") or ("20040110856") or ("20040144985") or ("20040207310") or ("20040207319") or ("20040206962") or ("20040206971") or ("20040207320") or ("20040259279") or ("20040259285") or ("20050051785") or ("20050051787") or ("20050087757") or ("20050040424") or ("20050059178") or ("20050059179") or ("20050087754") or ("20050127375") or ("3293513") or ("3922706") or ("4864370") or ("5126231") or ("6071795") or ("6778746") or ("6849558") or ("6307218") or ("5600483"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/23 19:15
S34	77	S32 or S33	US-PGPUB; USPAT	OR	ON	2005/08/23 19:15
S37	78	S34 or S31	US-PGPUB; USPAT	OR	ON	2005/08/23 19:16
S38	324	313/581.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/08 14:52
S39	5428	313/503,504,506,512,44,33.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/23 19:33
S40	1884	((light with emitting) or LED) and (light with generating) and layer and (index with refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:37
S41	8892	((light with emitting) or LED) and layer and (index with refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:38
S42	2158	S41 and packag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:44
S45	6041	S41 and transparent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:43

## EAST Search History

S46	774	S45 and phosphor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:44
S48	2240	S45 and white	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:45
S49	466	S46 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:45
S50	314	S49 and (white adj light)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:45
S51	244	S50 and reflective	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:46
S52	64	S51 and (heat adj sink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/23 19:47
S53	16	(US-20040208216-\$ or US-20040227148-\$ or US-20020093023-\$).did. or (US-5779924-\$ or US-6287882-\$ or US-6303405-\$ or US-6465808-\$ or US-6469324-\$ or US-6504180-\$ or US-6573537-\$ or US-6649437-\$ or US-6690268-\$ or US-6791119-\$ or US-6794684-\$ or US-6847057-\$ or US-6784463-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/24 10:08
S54	4	S53 and index and white	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 10:10
S55	7	S53 and phosphor and transparent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 10:10
S56	9	S53 and reflective and heat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 10:10

## EAST Search History

S57	4	S54 and S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 11:11
S58	7	S53 and index not S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 11:19
S59	11	S53 and pattern	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/24 11:19
S60	31	("4369458"   "4416054"   "4827290"   "5060027"   "5376580"   "5502316"   "5506451"   "5621225"   "5661316"   "5668386"   "5757829"   "5779924"   "5780321"   "5783477"   "5793062"   "5917202"   "5923053"   "5923951"   "5940683"   "6005262"   "6015719"   "6066862"   "6111272"   "6221683"   "6222207"   "6229160"   "6287947"   "6307218"   "6458612"   "6462358"   "6492661").PN. OR ("6784463").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:28
S61	19	S60 and wavelength	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:31
S62	9	S60 and ((thickness or height) same wavelength)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:44
S63	46	S53 or S60	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:44
S64	16	S63 and package\$1 and die	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:44
S65	5999	((light adj emitting adj device) or LED) and layer and torr	US-PGPUB; USPAT	OR	ON	2005/08/24 16:19
S66	243	S65 and (torr with gas) and index and wavelength	US-PGPUB; USPAT	OR	ON	2005/08/24 13:13
S67	136	S66 and laser and (OLED or organic)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:16
S68	99	S67 and pattern	US-PGPUB; USPAT	OR	ON	2005/08/24 15:23
S69	34	S67 and (heat adj sink)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:16
S70	33	S68 and S69	US-PGPUB; USPAT	OR	ON	2005/08/24 13:20
S71	210	S66 not S70	US-PGPUB; USPAT	OR	ON	2005/08/24 13:24
S72	59	S66 not S70 and ("100" with torr)	US-PGPUB; USPAT	OR	ON	2005/08/24 13:24
S73	15	S68 and detun\$	US-PGPUB; USPAT	OR	ON	2005/08/24 15:23

## EAST Search History

S74	15	S73 and parameter	US-PGPUB; USPAT	OR	ON	2005/08/24 15:25
S75	15	S65 and (detun\$ with parameter)	US-PGPUB; USPAT	OR	ON	2005/08/24 15:33
S76	1	"5779924".pn.	US-PGPUB; USPAT	OR	ON	2005/08/25 14:17
S77	1	"5779924".pn. and pattern	US-PGPUB; USPAT	OR	ON	2005/08/24 15:44
S78	1	"6504180.pn" or "6690268".pn.	US-PGPUB; USPAT	OR	ON	2005/08/24 15:47
S79	0	"6504180.pn"	US-PGPUB; USPAT	OR	ON	2005/08/24 15:47
S80	1	("6504180").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 15:47
S81	18564	((light adj emitting adj device) or LED) and layer and pattern and parameter	US-PGPUB; USPAT	OR	ON	2005/08/25 15:32
S82	9	((light adj emitting adj device) or LED) and layer and pattern and (detun\$ with parameter) not torr	US-PGPUB; USPAT	OR	ON	2005/08/24 15:52
S83	95782	((light adj emitting adj device) or LED) and pattern	US-PGPUB; USPAT	OR	ON	2005/08/24 16:19
S84	12570	((light adj emitting adj device) or LED) and pattern and periodic	US-PGPUB; USPAT	OR	ON	2005/08/24 16:20
S85	11167	S84 and @ad<"20031126"	US-PGPUB; USPAT	OR	ON	2005/08/24 16:21
S86	6179	S85 and layer	US-PGPUB; USPAT	OR	ON	2005/08/24 16:21
S87	1804	S86 and dielectric	US-PGPUB; USPAT	OR	ON	2005/08/24 16:23
S88	1804	S87 and periodic	US-PGPUB; USPAT	OR	ON	2005/08/24 16:24
S89	1090	S88 and complex	US-PGPUB; USPAT	OR	ON	2005/08/24 16:26
S90	5	S88 and (complex with periodic with pattern)	US-PGPUB; USPAT	OR	ON	2005/08/24 16:30
S91	185	S88 and (periodic with pattern)	US-PGPUB; USPAT	OR	ON	2005/08/24 16:30
S92	1	"6784463".pn.	US-PGPUB; USPAT	OR	ON	2005/08/25 14:17
S93	555	((light adj emitting adj device) or LED) and layer and (current with spreading) and @ad<"20031126"	US-PGPUB; USPAT	OR	ON	2005/08/25 15:38
S94	168	((light adj emitting adj device) or LED) and layer and (current with (spreading adj layer)) and @ad<"20031126"	US-PGPUB; USPAT	OR	ON	2005/08/25 15:39
S95	55	(light adj (emitting emissive)).ti. and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/15 19:43
S96	17	("4212021"   "4966862"   "5008718"   "5048035"   "5060028"   "5153889"   "5414281"   "5466950"   "5744829"   "5905275"   "5917202"   "5925896"   "5939735"   "6222207"   "6492661"   "6552367"   "6552369").PN. OR ("6784462").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 19:37

## EAST Search History

S97	242	(light adj (emitting emissive)) and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/15 19:44
S98	108	(light adj (emitting emissive)).clm. and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/16 11:01
S99	55	(light adj (emitting emissive)).ti. and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/15 19:44
S100	59	S98 not S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/15 22:46
S101	2	"20040212554"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/15 22:46
S102	242	(light adj (emitting emissive)) and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 05:46
S103	55	(light adj (emitting emissive)).ti. and (index near2 refraction) and ((n near dop\$3) with layer) and @ad<"20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/16 11:02
S104	187	S102 not S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/16 11:02
S106	1376	(light adj (emitting emissive) adj device) and (index near2 refraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 05:49
S107	416	(light adj (emitting emissive) adj device) and ((index near2 refraction) same (gas air))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 06:05


## EAST Search History

S108	2	"5779924".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 07:25
S109	2	"5073041".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 06:16
S110	2	"6784463".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/03/19 07:25
S111	31	("4369458" "4416054" "4827290" "5060027" "5376580" "5502316" "5506451" "5621225" "5661316" "5668386" "5757829" "5779924" "5780321" "5783477" "5793062" "5917202" "5923053" "5923951" "5940683" "6005262" "6015719" "6066862" "6111272" "6221683" "6222207" "6229160" "6287947" "6307218" "6458612" "6462358" "6492661").PN. OR ("6784463").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/19 07:38
S112	6	((("6784463") or ("5779924") or ("6462358"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/07/20 10:18
S113	2	("5307186").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/07/20 10:20
S114	2	("20030197460").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/07/20 10:20



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((light with emitting with device) and (light with generating with region) and (n near2 doped) and (surface) and thickness and gas and refraction).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 15:57
L2	0	((light with emitting with device) and (light with generating with region) and (n near2 doped) and thickness and gas and refraction).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 15:57
L3	4	((light with emitting with device) and (light with generating with region) and (n near2 doped) and refraction).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 15:57

*interference search*  
*6/8/07. *